



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
DepED Complex, Meralco Ave., Pasig City



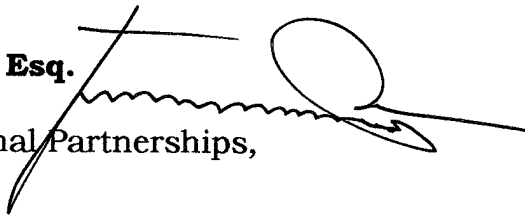
Tanggapan ng Pangalawang Kalihim
Office of the Undersecretary
Legislative Affairs, External Partnerships,
and School Sports

EXTERNAL PARTNERSHIPS SERVICE
Private Sector Partnerships Unit
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MEMORANDUM

OU-LAPSS No. 107, s. 2019

TO : **ALL REGIONAL DIRECTORS**
ALL REGIONAL PARTNERSHIPS FOCAL PERSONS

FROM : **TONISITO M.C. UMALI, Esq.**
Undersecretary
Legislative Affairs, External Partnerships,
and School Sports 

SUBJECT : **CASCADING OF WEATHER PHILIPPINES FOUNDATION INC. MONITORING AND EVALUATION TOOL FOR WEATHER 101 AND TROPICAL CYCLONE 101 CONDUCTED TRAININGS**

DATE : 18 February 2019

Weather Philippines Foundation Inc. (WPF) has successfully conducted the Weather 101 and Tropical Cyclone 101 in various DepEd Regional and Division Offices across the country since 2015 to date. The training aims to enhance the weather knowledge of educators for the benefit of their learners through a lesson plan integration.

In order to assess if WPF are able to meet the identified objectives of the training, they would like to introduce a monitoring and evaluation tool to their training beneficiaries. In this regard, we are cascading to your offices the attached monitoring tool to be accomplished by training beneficiaries. WPF will also send a soft copy/Google forms of the monitoring and evaluation tool via electronic mail.

For any concerns, you may contact Ms. Margarett Lim of Weather Philippines, Inc. at 09175227239 or email at margarette.lim@aboitiz.com

Your support in partnership is highly appreciated.

Thank you very much.



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February 11, 2019

ATTY. TONISITO M.C. UMALI

Undersecretary
Legislative Liaison Office,
External Partnerships Service, and
School Sports
Department of Education – Central Office
Meralco Avenue, Pasig City

Thru: MARGARITA CONSOLACION C. BALLESTEROS
Director IV, External Partnerships Service

Dear **Atty. Umali**:

Warmest greetings from WeatherPhilippines Foundation, Inc (WPF)!

As an offshoot of both our organization's commitment to collaborate in strengthening the capacities of the Department of Education (DepEd) in terms of disaster resilience and climate change adaptation, WPF has been conducting Weather 101 and Tropical Cyclone 101 training in various DepEd regional and divisional offices across the country since 2015 to date. The training aims to enhance the weather knowledge of educators for the benefit of their learners through a lesson plan integration. Furthermore, it aspires to build the capacity of DepEd teachers and disaster risk reduction focal persons against adverse weather conditions by making more informed decisions. As of year-end 2018, over 2,500 teaching and non-teaching personnel of DepEd have completed the training course.

In order to assess if we are able to meet the identified objectives of the training, we would like to introduce a monitoring and evaluation tool to our training beneficiaries over the past few years. In this regard, we would like to request for your assistance in the circulation of the attached monitoring tool among concerned regional and divisional offices through a memorandum from your good office. Please help us encourage the participants to provide their feedback so we can better understand their needs and make improvements on our training module for the benefit of the education sector as a whole.

For your easy reference, we have also attached herewith an accomplishment report on our collective efforts thus far.

Should you have any question and/or clarification, we would be delighted to meet you and/or your team at a mutually convenient time and place so we can address your concerns and further discuss how we can push this initiative forward.

Our team will be coordinating with your office to confirm your response. Should you have questions or concerns, please do not hesitate to give us a call at telephone numbers (02) 886 2485 and/or 0917 522 7239.

Thank you and we look forward to hearing from you soon.

Sincerely yours,

Maribeth L. Marasigan
FVP and COO

WeatherPhilippines Foundation Inc.
NAC Tower, 32nd Street
Bonifacio Global City, Taguig 1634

t: +63 2 886 2800
f: +63 2 886 2404
website: <https://weatherph.org/>



Name: _____

Office/School: _____

Designation: _____

Subject Taught: _____

Weather 101/Tropical Cyclone 101 Survey Questionnaire (Participant)

(1) On a scale of 1 to 5, please rate the relevance of each session to your job, with (1) indicating no relevance and (5) indicating very relevant.

1 = no relevance; 5 = very relevant

| | 1 | 2 | 3 | 4 | 5 | N/A |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Weather 101 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Tropical Cyclone 101 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Typhoon Tracking Exercise | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| WeatherPhilippines Foundation Tools & Services | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Workshop on Teaching Weather in the Classroom Setting | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

(2) Was the overall training course/seminar beneficial to your work and role as an educator?

Yes

No

(3) Have you used the training materials since you participated in the seminar? If yes, please proceed to #4. If no, please go straight to #5.

Yes

No

(4) What materials were you able to use? Please check all that apply.

Powerpoint slides

Video presentations

Typhoon tracking exercise

WeatherPhilippines website

WeatherPhilippines mobile app

Others, please specify: _____



(5) Why were you unable to utilize any material from the training?

- I did not learn anything new from the training.
- I have difficulty incorporating the new concepts/learning into my existing lesson plan.
- The teaching materials provided by DepEd/the school are already enough.
- Others, please specify: _____

(6) Did you make any change/improvement on your lesson plan based on the training? Is yes, please proceed to #7. If no, please go straight to #8.

- Yes
- No

(7) What specific knowledge of weather and tropical cyclone concepts were you able to integrate into your lesson plan? Please check all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Meteorology and Weather Elements | <input type="checkbox"/> Typhoon Anatomy (Parts and Size) |
| <input type="checkbox"/> Weather and Climate | <input type="checkbox"/> Tropical Cyclone Energy & Movement/Speed |
| <input type="checkbox"/> Other Rain-Producing Weather Systems in the Philippines (e.g., LPA, monsoon, etc.) | <input type="checkbox"/> Typhoon Hazards (e.g., Storm Surge, Extreme Rainfall, etc.) |
| <input type="checkbox"/> El Niño and La Niña | <input type="checkbox"/> Buys Ballot's Law |
| <input type="checkbox"/> Thunderstorm | <input type="checkbox"/> Typhoon Tracking Exercise |
| <input type="checkbox"/> Tropical Cyclone Definition and Formation | <input type="checkbox"/> WeatherPhilippines Foundation Tools and Services (website, mobile app, etc.) |
| <input type="checkbox"/> Tropical Cyclone Classifications | <input type="checkbox"/> Others: _____ |

(8) What are the challenges you have encountered in the application of your learning from the training?

- I have forgotten or was not able to understand the concepts taught during the training.
- I do not feel the need to improve my existing teaching materials.
- I am hesitant to make changes on my current lesson plan because I am not confident I can communicate it with my students well.
- I am hesitant to make changes on my current lesson plan due to lack of support from the institution.
- Others, please specify: _____

(9) Is there anything which has changed your perception, attitude, or behavior as a result of the training course/seminar?

- Yes
- No

(10) Any overall feedback on the application of your learning during the training?



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Name: _____

Office: _____

Designation: _____

Region/Division: _____

**Weather 101/Tropical Cyclone 101
Survey Questionnaire (Institution – Regional/Division Office)**

(1) Does the training address/respond to any need of the target beneficiaries (i.e., DRRM focal persons, science teachers) identified?

Yes

No

(2) Has the target group benefited from the training? If yes, please proceed to #3. If no, please go straight to #4.

Yes

No

(3) How did the training help the participants perform their respective jobs/roles? Please check all that apply.

Additional knowledge/information

Development/improvement of school DRRM plans

Cascade of learning to fellow teachers/DRRM Team

Integration of learning in the teachers' lesson plan

Others, please specify: _____

(4) What are the factors preventing the participants from applying what they have learned? Please check all that apply.

Need more time/opportunity for similar trainings

Satisfaction with existing DRRM plans/lesson plans

Discrepancy between previous knowledge of teachers, existing teaching materials, and concepts taught by facilitators during the training

Others, please specify: _____



(5) Have changes occurred in the classrooms of teachers who have undergone the training?

- Yes
- No

(6) Are there challenges with the development and introduction of new concepts/teaching techniques in the classroom setting?

- Yes
- No

(7) Is an internal monitoring system in place allowing effective integration or influence of knowledge gained from the training? If yes, please proceed to #8.

- Yes
- No

(8) How is assessment being done in your level?

- Classroom observation
- Submission of post-activity report/update by participants
- Interview with the participants
- Others, please specify: _____

(9) In your personal opinion, have the objectives of the training (as defined in the concept note included in our communication) been achieved to date?

| | |
|--------------------|---|
| Training Objective | The course aims to enhance the knowledge of primary and secondary educators on weather and tropical cyclones, which they can pass on to their students through lesson plan integration. Furthermore, this course provides DepEd teachers and its disaster risk reduction officers the groundwork for developing their own disaster preparedness programs to ensure business and life continuity after a severe weather event. |
|--------------------|---|

- Yes
- No

(10) Any overall feedback on the relevance of the training to the participants?



**Creating a #WeatherWiser DepEd:
Educating the Next Generation for a #WeatherWiser Nation**
in partnership with CitySavings Bank and Department of Education

I. Background

In support of the aligned vision of the Department of Education (DepEd) and WeatherPhilippines Foundation (WPF), both organizations forged an agreement in November 2014 with a common goal of promoting and enhancing the safety of Filipino communities for a disaster-resilient Philippines by improving the Filipino student's awareness on weather-related disaster risk reduction and management through a weather education program, specifically the Weather 101/Tropical Cyclone 101 training workshop.

The pilot session was conducted in the office of DepEd-National Capital Region (NCR) last August 20, 2015 with the DRRM focal persons of various division offices across NCR forming the bulk of the participants list. The outcome of this preliminary activity resulted in a clamor to hold the same training for all regional offices of DepEd throughout the country.

Since day one, WPF has sought and secured the support of CitySavings Bank (CitySavings) for the meals provision of the training participants for the entire day of learning. CitySavings, already being at the forefront of DepEd's roster of supporters, willingly provided the needed financial support during all regional runs of the training. In 2017, the collaboration between and among CitySavings, DepEd, and WPF was further fortified when the three organizations inked a partnership agreement that formalizes CitySavings' support to the roll-out of the weather education program in selected division offices nationwide.

To date, all DepEd regional offices, along with a growing number of division offices across the country, have been trained on Weather 101 and Tropical Cyclone 101. This shall continue in the next few years to come as both CitySavings and WPF remain steadfast in their advocacy to push for an inter-generational approach to weather education for a #WeatherWiser nation.

II. Objective

The course aims to provide DepEd and its disaster risk reduction officers the groundwork for developing their own disaster preparedness programs to ensure business and life continuity after a typhoon. Furthermore, this course shall equip educators with basic knowledge on weather and tropical cyclones, which they can integrate into their lesson plans and curriculum.



III. Training Outline and Program of Activities

TRAINING OUTLINE

Weather 101 (1-Hour Session)

- I. Meteorology
 - a. Layers of the Atmosphere
 - b. Composition of the Atmosphere
 - c. Weather and Climate
 - i. Basic Elements of Weather
 - ii. Weather Forecasting
 - iii. Other Weather Disturbances or Rain-Producing Weather Systems in the Philippines
 - d. Thunderstorm
 - e. Local Thunderstorms

Tropical Cyclone 101 (1.5-Hour Session)

- I. Part 1
 - a. Introduction
 - b. Tropical Cyclone Basics
 - i. What Is A Tropical Cyclone?
 - ii. How Do Tropical Cyclones Form?
 - iii. Death & Dissipation Of Tropical Cyclones
 - iv. Energy Of A Tropical Cyclone
 - v. Movement & Speed of Tropical Cyclones
 - c. Tropical Cyclone Classification
 - i. Tropical Depression
 - ii. Typhoon Or Hurricane
 - iii. Super Typhoon
 - iv.
 - d. Typhoon Anatomy
 - i. Parts
 - ii. Size
 - e. Typhoon Hazards
 - i. Storm Surge
 - ii. Strong/High Winds
 - iii. Extreme Rainfall/Flooding
 - iv. Eyewall Mesovortices
 - v. Mudflows/Landslides
 - f. Typhoon Tracking
- II. Part 2
 - a. Buys Ballot Law (Wind Shifting)
 - b. Philippine Tropical Cyclone Frequency
 - c. Tropical Cyclone Names
 - d. Tropical Cyclone Tracks (El Niño, Neutral, and La Niña)



PROGRAM OF ACTIVITIES

| | |
|---------------------|--|
| 8:00 AM – 8:30 AM | Arrival of Participants Registration AM Snacks |
| 8:30 AM – 9:00 AM | <u>Opening Ceremony</u> National Anthem Doxology Welcome Remarks Presentation of Participants Inspirational Message |
| 9:00 AM – 9:30 AM | Introduction to WeatherPhilippines Foundation Icebreaker Activity |
| 9:30 AM – 10:30 AM | Weather 101: Basic Meteorology and Weather Processes |
| 10:30 AM – 12:00 NN | Tropical Cyclone 101 |
| 12:00 NN – 1:00 PM | Lunch Break |
| 1:00 PM – 1:45 PM | Typhoon Tracking Exercise |
| 1:45 PM – 2:15 PM | Presentation on WPF's Tools and Services |
| 2:15 PM – 3:30 PM | Workshop Proper (Weather Discussion and Lesson Simulation) |
| 3:30 PM – 4:30 PM | Presentation of Workshop Output |
| 4:30 PM – 5:00 PM | <u>Closing Ceremony</u> Awarding of Training Certificates Closing Remarks |

IV. Training Output

REGIONAL RUNS

| Date | Training Beneficiary | Total Participants |
|---|----------------------|--------------------|
| August 20, 2015 | NCR | 53 |
| July 25, 26 & 28, 2016 August 5, 16 & 18, 2016 | Region IV-B | 285 |
| November 10-11, 2016 November 23, 2018 | Region 8 | 120 34 |
| November 16-17, 2016 | Region 1 | 126 |
| March 22-23, 2017 | Region 5 | 95 |
| April 5-6, 2017 | CAR | 78 |
| May 22-23, 2017 | Region 11 | 82 |
| May 25-26, 2017 | Region 10 | 96 |



| | | |
|----------------------------------|-----------|--------------|
| June 8-9, 2017 | Region 7 | 78 |
| August 4-5, 2017 | Region 6 | 83 |
| August 30-31, 2017 | Region 2 | 101 |
| September 5-6, 2017 | NIR | 95 |
| November 28-29, 2017 | CARAGA | 67 |
| December 12-13, 2017 | Region 3 | 70 |
| January 31 – February 1, 2018 | Region 9 | 73 |
| February 27-28, 2018 | Region 12 | 88 |
| August 23-24, 2018 | Region 4A | 70 |
| TOTAL | 16 | 1,694 |

DIVISIONAL RUNS

| Date | Training Beneficiary | Total Participants |
|--------------------|-----------------------------|---------------------------|
| November 23, 2015 | Mandaluyong City | 37 |
| December 1-2, 2015 | Makati City | 77 |
| December 3, 2015 | Makati City and San Juan | 27 |
| June 28, 2018 | Lucena City | 54 |
| June 29, 2018 | Quezon Province | 52 |
| July 12, 2018 | Zamboanga del Norte | 35 |
| July 13, 2018 | Dipolog City | 31 |
| July 26, 2018 | Butuan City | 51 |
| July 27, 2018 | Bislig City | 59 |
| August 15, 2018 | Cagayan de Oro | 23 |
| August 16, 2018 | Misamis Oriental | 50 |
| August 30, 2018 | Zamboanga City | 38 |
| August 31, 2018 | Ipil, Zamboanga Sibugay | 46 |
| September 27, 2018 | Iriga City Naga City | 23 |
| September 28, 2018 | Camarines Sur | 33 |
| October 11, 2018 | Quirino | 36 |
| October 17, 2018 | Surigao City | 46 |
| October 18, 2018 | Siargao | 26 |
| November 7, 2018 | Iligan City | 38 |
| November 8, 2018 | Lanao del Norte | 35 |
| November 27, 2018 | Nueva Vizcaya | 32 |
| TOTAL | 22 | 849 |

As of year-end 2018, a total of 2,543 representatives from 16 DepEd regional offices and 22 divisions across the country have undergone the Weather 101 and Tropical Cyclone 101 training workshop.

